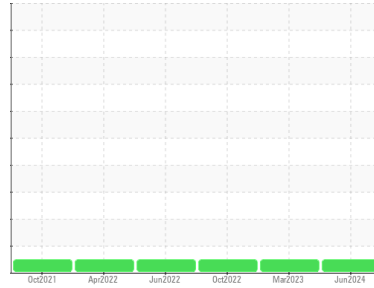


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**2026854**  
 Component  
**2 Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The condition of the oil is acceptable for the time in service.

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2    |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number      | Client Info |             |            | <b>PCA0128359</b>  | PCA0093696  | PCA0080601  |
| Sample Date        | Client Info |             |            | <b>11 Jun 2024</b> | 28 Mar 2023 | 03 Oct 2022 |
| Machine Age        | mls         | Client Info |            | <b>266251</b>      | 188129      | 149330      |
| Oil Age            | mls         | Client Info |            | <b>266251</b>      | 188129      | 149330      |
| Oil Changed        | Client Info |             |            | <b>Not Changed</b> | Not Changed | Not Changed |
| Sample Status      |             |             |            | <b>NORMAL</b>      | NORMAL      | NORMAL      |

| CONTAMINATION |           | method | limit/base | current    | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water         | WC Method |        | >.2        | <b>NEG</b> | NEG      | NEG      |

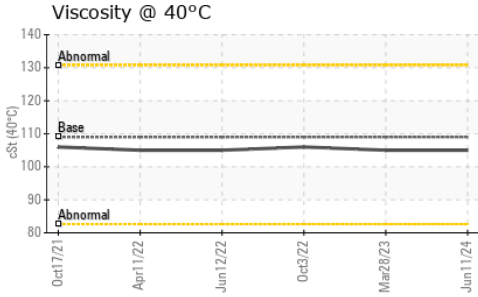
| WEAR METALS |     | method      | limit/base | current    | history1 | history2 |
|-------------|-----|-------------|------------|------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >500       | <b>155</b> | 141      | 143      |
| Chromium    | ppm | ASTM D5185m | >10        | <b>1</b>   | 2        | 1        |
| Nickel      | ppm | ASTM D5185m | >10        | <b>10</b>  | 10       | 9        |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>   | <1       | 0        |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>   | 0        | 0        |
| Aluminum    | ppm | ASTM D5185m | >25        | <b>3</b>   | 3        | 3        |
| Lead        | ppm | ASTM D5185m | >25        | <b>0</b>   | 0        | 0        |
| Copper      | ppm | ASTM D5185m | >100       | <b>4</b>   | 4        | 2        |
| Tin         | ppm | ASTM D5185m | >10        | <b>0</b>   | <1       | 0        |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>   | 0        | 0        |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>   | 0        | 0        |

| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m | 400        | <b>271</b>   | 295      | 338      |
| Barium     | ppm | ASTM D5185m | 200        | <b>0</b>     | 0        | 0        |
| Molybdenum | ppm | ASTM D5185m | 12         | <b>0</b>     | <1       | 0        |
| Manganese  | ppm | ASTM D5185m |            | <b>12</b>    | 13       | 12       |
| Magnesium  | ppm | ASTM D5185m | 12         | <b>&lt;1</b> | 3        | 0        |
| Calcium    | ppm | ASTM D5185m | 150        | <b>11</b>    | 11       | 0        |
| Phosphorus | ppm | ASTM D5185m | 1650       | <b>1348</b>  | 1356     | 1344     |
| Zinc       | ppm | ASTM D5185m | 125        | <b>11</b>    | 9        | 14       |
| Sulfur     | ppm | ASTM D5185m | 22500      | <b>27550</b> | 27330    | 27135    |

| CONTAMINANTS |     | method      | limit/base | current   | history1 | history2 |
|--------------|-----|-------------|------------|-----------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >75        | <b>33</b> | 34       | 37       |
| Sodium       | ppm | ASTM D5185m |            | <b>8</b>  | 8        | 8        |
| Potassium    | ppm | ASTM D5185m | >20        | <b>4</b>  | 3        | 0        |

| VISUAL           |        | method  | limit/base | current      | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal      | scalar | *Visual | NONE       | <b>NONE</b>  | MODER    | NONE     |
| Yellow Metal     | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Precipitate      | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Silt             | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Debris           | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Sand/Dirt        | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Appearance       | scalar | *Visual | NORML      | <b>NORML</b> | NORML    | NORML    |
| Odor             | scalar | *Visual | NORML      | <b>NORML</b> | NORML    | NORML    |
| Emulsified Water | scalar | *Visual | >.2        | <b>NEG</b>   | NEG      | NEG      |
| Free Water       | scalar | *Visual |            | <b>NEG</b>   | NEG      | NEG      |

# OIL ANALYSIS REPORT

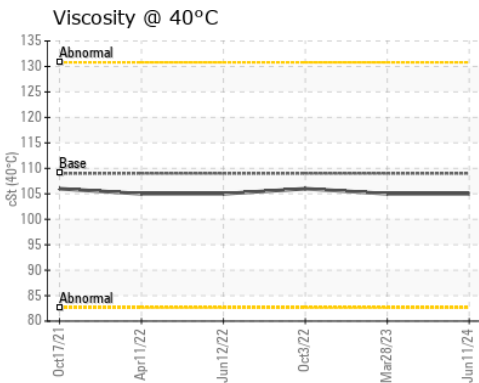
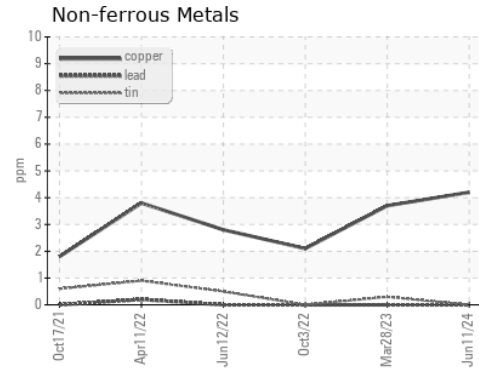
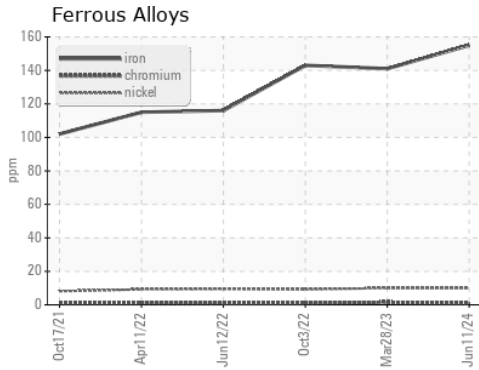


| FLUID PROPERTIES |     | method    | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt | ASTM D445 | 109        | 105     | 105      | 106      |

| SAMPLE IMAGES |  | method | limit/base | current | history1 | history2 |
|---------------|--|--------|------------|---------|----------|----------|
|---------------|--|--------|------------|---------|----------|----------|

|        |          |          |          |
|--------|----------|----------|----------|
| Color  | no image | no image | no image |
| Bottom | no image | no image | no image |

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0128359  
**Lab Number** : 06220167  
**Unique Number** : 11098364  
**Test Package** : FLEET  
**Received** : 25 Jun 2024  
**Tested** : 26 Jun 2024  
**Diagnosed** : 27 Jun 2024 - Sean Felton

**PERDUE FARMS - GEORGETOWN**  
 20621 SAVANAH RD  
 GEORGETOWN, DE  
 US 19947  
 Contact: ROBERT LOCKWOOD  
 Robert.Lockwood@Perdue.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: